

CLAIMS

I claim:

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1. A method for sharing an application, the method comprising:
- determining a position and a size of a non-OpenGL region of a shared application window by monitoring function calls made by the application;
- determining a position and a size of an OpenGL region of a shared application window by monitoring OpenGL function calls made by the application; and
- capturing a screen shot of an image corresponding to the non-OpenGL and the OpenGL regions of the shared application window;
- wherein the position and the size of the non-OpenGL region and the position and the size of the OpenGL region define a position and a size of the shared application window.
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2. The method of Claim 1 further comprising:
- transmitting the position and the size of the shared application window to a viewer.
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3. The method of Claim 1 further comprising:
- transmitting the screen shot to a viewer.
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4. The method of Claim 1 further comprising:
- determining a position and a size of a non-shared application window by monitoring function calls made by the non-shared application; and

if the non-shared application window overlaps the shared application window, determining a position and a size of an overlapping region.

5. The method of Claim 4 further comprising:  
transmitting the overlapping region to a viewer.

6. The method of Claim 1 further comprising:  
determining whether the position or the size of the shared application window has changed by monitoring function calls made by the shared application; and

if the position or the size of the shared application window has changed, determining a new position and/or a new size of the shared application window.

7. The method of Claim 1 further comprising:  
periodically capturing the image corresponding to the shared application window.

8. The method of Claim 7 further comprising:  
periodically transmitting the captured image to the viewer.

9. A computer-readable storage medium storing a computer program executable by a computer, the computer program comprising computer instructions for:  
determining a position and a size of a non-OpenGL region of a shared application window by monitoring function calls made by the application;

determining a position and a size of an OpenGL region of a shared application window by monitoring OpenGL function calls made by the application; and

capturing a screen shot of an image corresponding to the non-OpenGL and the OpenGL regions of the shared application window;

wherein the position and the size of the non-OpenGL region and the position and the size of the OpenGL region define a position and a size of the shared application window

10. The computer readable storage medium of Claim 9 further comprising computer instructions for:

transmitting the position and the size the shared application window to a viewer.

11. The computer readable storage medium of Claim 9 further comprising computer instructions for:

transmitting the screen shot to a viewer.

12. The computer readable storage medium of Claim 9 further comprising computer instructions for:

determining a position and a size of a non-shared application window by monitoring function calls made by the non-shared application; and

if the non-shared application window overlaps the shared application window, determining a position and a size of an overlapping region.

13. The computer readable storage medium of Claim 12 further comprising computer instructions for:

transmitting the overlapping region to a viewer.

5 14. The computer readable storage medium of Claim 9 further comprising computer instructions for:

determining whether the position or the size of the shared application window has changed by monitoring function calls made by the shared application; and

10 if the position or the size of the shared application window has changed, determining a new position and/or a new size of the shared application window.

15 15. The computer readable storage medium of Claim 9 further comprising computer instructions for:

periodically capturing the image corresponding to the shared application window.

20 16. The computer readable storage medium of Claim 15 further comprising computer instructions for:

periodically transmitting the captured image to the viewer.

17. A data conferencing system comprising:

a presenter computer connected to one or more server computers via a global area network;

a viewer computer connected to the one or more server computers via the global area computer network; and

a computer program executable by the presenter computer, wherein the computer program comprises computer instructions for:

determining a position and a size of a non-OpenGL region of a shared application window by monitoring function calls made by the application;

determining a position and a size of an OpenGL region of a shared application window by monitoring OpenGL function calls made by the application; and

capturing a screen shot of an image corresponding to the non-OpenGL and the OpenGL regions of the shared application window;

wherein the position and the size of the non-OpenGL region and the position and the size of the OpenGL region define a position and a size of the shared application window.

18. The data conferencing system of Claim 17 further comprising computer instructions for:

transmitting the position and the size of the shared application window to a viewer computer.

19. The data conferencing system of Claim 17 further comprising computer instructions for:

transmitting the screen shot to the viewer computer.

20. The data conferencing system of Claim 17 further comprising computer instructions for:

determining a position and a size of a non-shared application window by monitoring function calls made by the non-shared application; and  
if the non-shared application window overlaps the shared application window, determining a position and a size of an overlapping region.

21. The data conferencing system of Claim 20 further comprising computer instructions for:

transmitting the overlapping region to a viewer.

22. The data conferencing system of Claim 17 further comprising computer instructions for:

determining whether the position or the size of the shared application window has changed by monitoring function calls made by the shared application; and  
if the position or the size of the shared application window has changed, determining a new position and/or a new size of the shared application window.

23. The data conferencing system of Claim 17 further comprising computer instructions for:

periodically capturing the image corresponding to the shared application window.

24. The data conferencing system of Claim 23 further comprising computer instructions for:

periodically transmitting the captured image to the viewer computer.

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